

Land Subsidence Rate in the Northeast Phoenix and Scottsdale Areas, Maricopa County
Based on Radarsat-2 Satellite Interferometric Synthetic Aperture Radar (InSAR) Data

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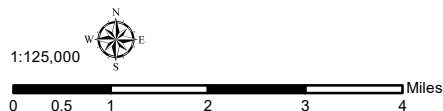
Time Period of Analysis: 1.0 Years 04/15/2019 To 05/03/2020

Explanation

04/15/2019 To 05/03/2020

Land Subsidence Rate

Decorrelation/No Data	Subsidence Feature
Greater 7 cm/yr (2.8 in/yr)	Hardrock
5 - 7 cm/yr (2.0 - 2.8 in/yr)	Earth Fissures
3 - 5 cm/yr (1.2 - 2.0 in/yr)	CAP Canal
2 - 3 cm/yr (0.8 - 1.2 in/yr)	Highways and Interstates
1 - 2 cm/yr (0.4 - 0.8 in/yr)	Interstate
0.5 - 1 cm/yr (0.2 - 0.4 in/yr)	US
0 - 0.5 cm/yr (0 - 0.2 in/yr)	State
	Roads



Decorrelation (white areas) are areas where the phase of the received satellite signal changed between satellite passes, causing the data to be unusable. This occurs in areas where the land surface has been disturbed (i.e. bodies of water, snow, agriculture areas, areas of development, etc).

Earth fissures were mapped by the Arizona Geological Survey.
For information on earth fissures visit: www.azgs.gov/EFC

Coordinate System: NAD 1983 UTM Zone 12N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter
Created: 5/21/2020

